# BRUHAT BANGALORE MAHANAGAR PALIKE

## Project Division, Yelahanka Zone

### MODIFIED SCHEDULE - B

**Providing drinking water, Sinking of Borewell and pipelines in ward No.11 Kuvempunagara**

| SNo | Quantity | Item Name | Unit | Rates quoted by Sri.Gopireddy | |
|---|---|---|---|---|---|
| | | | | In figures | In words |
| 1 | 5.00 | Geophysical Investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand Pump, MWS or P.W.S.S. by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metere in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrment and accessories to work site, engaging technical personal and labour required etc. | Each BW | 1882.00 | Rupees One Thousand Eight Hundred Eighty Two Only |
| 2 | 250.00 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., ) 0 to 50.00 mtrs | Rmtr | 306.00 | Rupees Three Hundred Six Only |
| 3 | 250.00 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., ) 50.00 to 100.00 mtrs | Rmtr | 400.00 | Rupees Four Hundred Only |
| 4 | 250.00 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., ) 100.00 to 150.00 mtrs | Rmtr | 445.00 | Rupees Four Hundred Forty Five Only |
| 5 | 232.00 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., ) 150.00 to 200.00 mtrs | Rmtr | 470.00 | Rupees Four Hundred Seventy Only |

Contractor

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| 6 | 170.00 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., ) 200.00 to 250.00 mtrs | Rmtr | 544.00 | Rupees Five Hundred Forty Four Only |
| 7 | 77.00 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., ) 250.00 to 300.00 mtrs | Rmtr | 583.00 | Rupees Five Hundred Eighty Three Only |
| 8 | 0.00 | Providing and fixing to wall, ceiling and floor,mediumdensity polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter 160mm with special flange, compression type fittings, wall clips,making good the wall, ceiling and floor including cost of all materials, labourcharges, HOM and testing completeasperspecifications. for internal water supply connection | Rmtr | 677.16 | Rupees Six Hundred Seventy Seven And Paise Sixteen Only |
| 9 | 222.00 | Supply of ISI Mark 175 mm nominal Bore, Plain end Steel casing Pipe - grade of Steel Fe 410 of wall thicjkness 5.4 mm thick confirming yo IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basis open herth electric or basis oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably 25.10kg/mtr. (Inclusive of all taxes and durties). Prices included Collar-medium duty (Material Component | Rmtr | 1325.00 | Rupees One Thousand Three Hundred Twenty Five Only |
| 10 | 90.00 | Supplying PVC Pipes 10kg/sqm 250mmdia PVC (casing pipe) | Rmtr | 2203.39 | Rupees Two Thousand Two Hundred Three And Paise Thirty Nine Only |
| 11 | 5.00 | Providing 175mm dia Bore Cap & Clamp Set | Set | 1800.00 | Rupees One Thousand Eight Hundred Only |
| 12 | 42.00 | Providing 175mm dia M.S Collar | Each | 150.00 | Rupees One Hundred Fifty Only |
| 13 | 5.00 | Supply and delivery at sire brand new submersible PUMPSET suitable for borewell of 150mm dia and having declared duty conditions as detailed below and satisfying performance characteristic for pump and motor as declared by Bureau of Indian Standards. The pump should confirm to IS:8034-1976 (with all its latest amendments) and should bear the ISI certification mart IS 8034-1976. The pumpset should consist of bronze impellers. Discharge: 7500 Iph, Head: 102.88 mts, 15.00 HP30 Stage Atalanta, Suguna, CRI KIRLOSKAR and other equipment pump 15.00 HP / 11 KW (30 stages) | Set | 63498.00 | Rupees Sixty Three Thousand Four Hundred Ninety Eight Only |
| 14 | 2082.00 | Submersible Cables: Supply and delevery brand New best make PVC insulated cable of flat 3 core (Sheathed) of nominal cross sectional area to IS: 694-1977 with latest amendments and ISI mark 1x3x6.00 Sq mm | Rmtr | 144.00 | Rupees One Hundred Forty Four Only |

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|---|---|---|---|---|---|
| | | | | In figures | In words |
| | 5.00 | Supply and delivery of Brand New gate Valve of 50mm dia size confirming to IS: 778-1984 with latest amendments with ISI mark | Each | 1800.00 | Rupees One Thousand Eight Hundred Only |
| | 5.00 | Supply and delivery of Brand New best make non return valve of 50mm dia size confirming to IS: 10805-1986 with latest amendments with ISI mark | Each | 1800.00 | Rupees One Thousand Eight Hundred Only |
| 17 | 1041.00 | Supply, Installation testing and commissioning of approved make heavytubes (Class 'C') confirming to as per IS1239 Part - I (25mm Nominalbore 4.05mm thick @ 2.97 Kg/m, 32mm Nominal bore 4.05mm thick@ 3.84 Kg/m,40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mmNominal bore 4.47mm thick @ 6.17 Kg/m, 65mm Nominal bore 4.47mmthick @ 7.90 Kg/m, 80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore5.40mm thick @ 14.40 Kg/m,150mm Nominal bore5.40mm thick @ 21.20 Kg/m, Such as Tees elbows check nuts unions,Flanger, Nipples etc. including cutting welding, Trending fixing on walls,ceiling (Using 41-Tech pipe/M.S.angle supports work includes two coatsof metal primer and two coats of Red enamel paint etc.including cost ofmaterials, labour, HOM complete as per specifications. | Rmtr | 1072.44 | Rupees One Thousand Seventy Two And Paise Forty Four Only |
| 18 | 5.00 | Meter and Panel Board: Supply and delivery of meter and panel board unit one number of MS box of size 300 x 120mm size fabricated out of 2mm thick sheet metal with sealable door arrangement for mounting the CTS(if any) cutouts 3 phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read.<br>b. Panel Board (15HP)<br>One number of cubicle type of control panel board to operate on 50c/400/400v | Each | 15500.00 | Rupees Fifteen Thousand Five Hundred Only |
| 19 | 5.00 | Commissioning of work of pumpset including aligning and balancing with all necessary erection of material and labour including supply and erection of two pair of supporting clamps. One borewell cap, cable clips and water tight gland cable protectors, bolts nuts, valves and gauges etc., all job including fixing sluice valve, non return valve etc., and connecting deliver side of pumpset to rising main etc., complete | Each | 4500.00 | Rupees Four Thousand Five Hundred Only |
| 20 | 5.00 | Supplying & Fixing 50mm G.I. Union | Nos | 223.70 | Rupees Two Hundred Twenty Three And Paise Seventy Only |
| 21 | 15.00 | Supplying & Fixing 50mm Elbow | Nos | 111.80 | Rupees One Hundred Eleven And Paise Eighty Only |
| 22 | 15.00 | Supplying & Fixing 50mm G I Nipple | Nos | 104.30 | Rupees One Hundred Four And Paise Thirty Only |
| 23 | 15.00 | Supplying & Fixing 50mm Collar | Nos | 103.00 | Rupees One Hundred Three Only |
| 24 | 100000.00 | Fabricating supplying and mounting MS box made out... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. | Sq.cms | 0.37 | Rupees And Paise Thirty Seven Only |
| 25 | 30.00 | Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.(32.9a) | Mtr | 338.00 | Rupees Three Hundred Thirty Eight Only |

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| | | | | In figures | In words |
| | | Supplying of TPST with rewirableporcelain channels in SM enclosure. | Each | 1868.00 | Rupees One Thousand Eight Hundred Sixty Eight Only |
| | 5.00 | Supply and fixing polished wood board made of not less than 15mmthick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc. | Each | 302.00 | Rupees Three Hundred Two Only |
| 28 | 5.00 | Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C. | Each | 442.00 | Rupees Four Hundred Forty Two Only |
| 29 | 5.00 | Supplying fully automatic star-delta starter unit push buttontypewith suitablewires,3contactors,oneadjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor. | Each | 8273.00 | Rupees Eight Thousand Two Hundred Seventy Three Only |
| 30 | 5.00 | Supplying and fixing single phase preve_nterusing necessary wires over an existing panel board suitable for motor up to 20 HP capacities. | Each | 768.00 | Rupees Seven Hundred Sixty Eight Only |
| 31 | 100.00 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Coppers with low conductorresistance single core cable in open or concealed system of wiring with specified IS 694: 1990 & confirmining to GTP of GROUP-A | Mtr | 42.10 | Rupees Forty Two And Paise Ten Only |
| 32 | 20.00 | Supplying,fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machinery.Cost per KVAR | KVAR | 414.00 | Rupees Four Hundred Fourteen Only |
| 33 | 5.00 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF,energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 | Each | 1936.00 | Rupees One Thousand Nine Hundred Thirty Six Only |
| 34 | 5.00 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia | No | 2727.00 | Rupees Two Thousand Seven Hundred Twenty Seven Only |
| 35 | 30.00 | Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. | Mtr | 245.00 | Rupees Two Hundred Forty Five Only |
| 36 | 100.00 | Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. | Mtr | 140.40 | Rupees One Hundred Forty And Paise Forty Only |
| 37 | 100.00 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. | Mtr | 10.80 | Rupees Ten And Paise Eighty Only |
| 38 | 100.00 | Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. | Mtr | 106.00 | Rupees One Hundred Six Only |
| 39 | 5.00 | Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. | Each | 280.00 | Rupees Two Hundred Eighty Only |
| 40 | 30.00 | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. | Each | 234.00 | Rupees Two Hundred Thirty Four Only |
| 41 | 116.10 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the cement concrete road.. | Cum | 727.16 | Rupees Seven Hundred Twenty Seven And Paise Sixteen Only |

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|---|---|---|---|---|---|
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| | 396.18 | KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. | Cum | 475.94 | Rupees Four Hundred Seventy Five And Paise Ninety Four Only |
| 43 | 1100.50 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 50mm nominal OD pipes | Mtr | 492.90 | Rupees Four Hundred Ninety Two And Paise Ninety Only |
| 44 | 0.00 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 20mm nominal OD pipes | Mtr | 166.42 | Rupees One Hundred Sixty Six And Paise Forty Two Only |
| 45 | 0.00 | Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Each | 183.38 | Rupees One Hundred Eighty Three And Paise Thirty Eight Only |
| 46 | 0.00 | Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fittings (medium grade weight 5.24kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. | Mtr | 542.72 | Rupees Five Hundred Forty Two And Paise Seventy Two Only |
| 47 | 396.18 | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. including cost of all labour complete as per specifications. | Cum | 80.56 | Rupees Eighty And Paise Fifty Six Only |
| 48 | 69.17 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. | Cum | 5747.32 | Rupees Five Thousand Seven Hundred Forty Seven And Paise Thirty Two Only |
| 49 | 0.00 | Providing and fixing in position 65mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. | Nos | 1831.68 | Rupees One Thousand Eight Hundred Thirty One And Paise Sixty Eight Only |
| 50 | | GST @12% (For SR 2018-19 Items Only) | | | |

Gopireddy

A.V.

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Contractor